

MAEL/AEL International Space Station Simulation – Pilot's Flight log

Pilot's Name _____ School _____ Grade _____

1. During your flight training portion of the mission, perform each Translational and Rotational maneuver by moving the Flightstick as indicated at left. As the commander performs each of these maneuvers, indicate what way they cause the Orbiter to move using the choices (A-F) at right.

A - Translational Maneuvers (Trigger NOT pressed)

- | | |
|----------------------------------|---------------------------|
| 1. _____ Flightstick LEFT | A. Orbiter moves Up |
| 2. _____ Flightstick RIGHT | B. Orbiter moves Forward |
| 3. _____ Flightstick FORWARD | C. Orbiter moves Right |
| 4. _____ Flightstick BACK | D. Orbiter moves Left |
| 5. _____ Flightstick TWIST LEFT | E. Orbiter moves Backward |
| 6. _____ Flightstick TWIST RIGHT | F. Orbiter moves Down |

B - Rotational Maneuvers (Trigger Pressed)

- | | |
|----------------------------------|-----------------------------|
| 1. _____ Flightstick LEFT | A. Orbiter moves Yaw Right |
| 2. _____ Flightstick RIGHT | B. Orbiter moves Yaw Left |
| 3. _____ Flightstick FORWARD | C. Orbiter moves Pitch Down |
| 4. _____ Flightstick BACK | D. Orbiter moves Roll Right |
| 5. _____ Flightstick TWIST LEFT | E. Orbiter moves Roll Left |
| 6. _____ Flightstick TWIST RIGHT | F. Orbiter moves Pitch Up |

2. During your mission, one of your objectives was to search for a pressure leak in one of the International Space Station modules.
 - A. If you were able to locate the leak, refer to the provided International Space Station Pictorial Drawing and write the name of the module you think the pressure leak is in ?
 - B. Also, if you were able to locate the leak, what color is the escaping gas ?
3. During your mission, another objective was locate and fly to the two Russian Research Modules and identify the markings on one or both of the modules.
 - A. If you were able to locate these modules, please describe below what the markings looked like and if there were any recognizable letters or words within the markings ?